## (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 15 September 2005 (15.09.2005)

# (10) International Publication Number WO 2005/085243 A3

(51) International Patent Classification :

C07D 457/06

(21) International Application Number:

PCT/HU2005/000022

(22) International Filing Date: 2 March 2005 (02.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: P 0400517

4 March 2004 (04.03.2004) HU

(71) Applicant (for all designated States except US): RICHTER GEDEON VEGYÉSZETI GYÁR RT. [HU/HU]; Gyömrői ut 19-21., H-1103 Budapest (HU).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): GALAMBOS, János [HU/HU]; Cserkút u. 40., H-1162 Budapest (HU). CZIBULA, László [HU/HU]; Gergely u. 48., H-1103 Budapest (HU). SEBÕK, Ferenc [HU/HU]; Fáy u. 67., H-5800 Mezõkovácsháza (HU). BÁLINT, Sándorné [HU/HU]; Sasadi út 155., H-1112 Budapest (HU). KASSAI, Ferencné [HU/HU]; Bagomér u. 21/A, H-1188 Budapest (HU). IGNÁCZNÉ SZENDREI, Györgyi [HU/HU]; Zsókavár u. 25., H-1157 Budapest (HU). DEMETER, Ádám [HU/HU]; Gyakorló u. 4/F, H-1106 Budapest (HU).
- (74) Common Representative: RICHTER GEDEON VEG-YÉSZETI GYÁR RT.; Gyömrői ut 19-21., H-1103 Budapest (HU).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### **Declaration under Rule 4.17:**

 as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

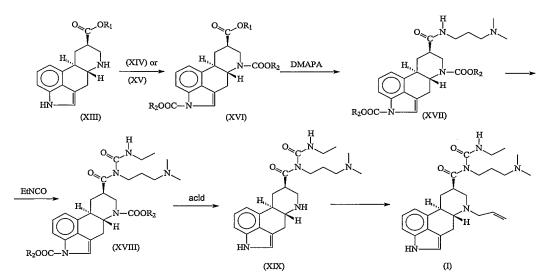
### Published:

with international search report

(88) Date of publication of the international search report: 6 April 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF CABERGOLINE



(57) Abstract: A process for preparing cabergoline (I) from ergoline- $8\beta$ -carboxylic acid ester (XIII) comprising the following steps. (XIII), (XVI), (XVII), (XVIII), (XIX), (I). The present case also relates to the intermediates (XVI), (XVII), (XVIII) and (XIX) as well as the polymorphic amorphous form of Cabergoline (I) and the production thereof.

) 2005/085243 A3 ||||||||||||||